



EASTERN ARIZONA AMATEUR RADIO SOCIETY

EST. 1974 INC.

**Club Address:**

EAARS
P.O. Box 398
Solomon, AZ 85551

www.eaars.com

November 2013

Tucson Hamfest

Don't forget the Tucson Hamfest, **November 9th**, at the Marana Middle School in Marana, AZ.

Come out and buy, sell, attend seminars, and meet friends old and new. VE testing will also be given.

See the flyer on the last page of this newsletter for more information.

Tucson Ham Radio Picnic

The bi-annual Tucson Ham Radio Picnic on October 20th was a great success from what I heard, I was not able to attend. I would report more but that's really all I know about it.

Photos from the event can be found here:

<https://plus.google.com/photos/116753593355784169859/albums/5937040025807050913?authkey=COOp682RviRhAE>

Some Random Filler...

Bivouac Jack of Wiltshire, England, has a very fun and interesting Youtube channel I find very enjoyable and educational to boot!

If you enjoy hiking and camping you will enjoy this. He also does some Ham Radio now and then.

<http://www.youtube.com/user/g0vqw?feature=watch>

Dues Payments!

This is a reminder to get your dues payment for 2014 into the club by **December 15** in order to be eligible for the membership prize drawing.

Act now!

EAARS OPEN REPEATERS

PL 141.3 UNLESS NOTED OTHERWISE

ECHOLINK: 614350 IRLP: 7787

HELIOGRAPH PEAK, AZ:

**146.860, 440.700 LINKED
146.900**

145.010 PACKET

**447.825 WITH CLOSED REMOTE BASE
PL 100.0 OR 141.3**

JACKS PEAK, NM:

145.210 LINKED

PINAL PEAK, AZ:

145.410 LINKED

SOUTH MT AT ALPINE, AZ:

145.270 LINKED

GREENS PEAK, AZ:

146.700 LINKED

LITTLE FLORIDA AT DEMING, NM:

147.060 LINKED

MULE MT, AZ:

147.080 LINKED

MT. LEMMON, AZ:

147.160 LINKED

Preview of the Ten-Tec 506 Rebel Open Source QRP Radio

I say this is a preview because I've not had much time yet to play with this neat little rig, this is my first impressions.

The Rebel is a QRP (5W) CW rig covering the entire 20m and 40m bands. The stock radio is very basic, with volume, tuning and RIT controls, along with selection of tuning rate and filter width. The Rebel has no display other than LED indicators for tuning rate and filter width, plus a LED in the Ten-Tec logo that flashes for each tuning step. The Rebel comes in with a price tag of \$199.

What makes the Rebel different than all the other QRP rigs in this class is that it's Open Source. This means that Ten-Tec gives out the source code that controls the radio for users to add to and modify. The Rebel is NOT however a SDR (Software Defined Radio), the Rebel has an analog RF section. The user software is basically for the user interface of the radio. Already there is a vibrant hacking community growing up around this radio, adding to and modifying the radio.

The radio is built on the Open Source Arduino platform so you not only have access to the software, but also the hardware for easy expansion. Already there are Hams adding four line LCD displays for frequency readout and software controlled band switching to the radio (To change bands on the stock radio requires moving 5 jumpers.)

I really like the radio so far, it is well made and has a quality "feel" to it. The audio sounds very good and has great sensitivity. The only thing I've found so far that I'm less than impressed with is the filter width, which in the narrow setting is about 800Hz wide, I really wish it was closer to 300Hz.

Overall it's a great little rig for any QRP CW

2013 Officers and Staff

eaarsofficers@eaars.com to email all officers.

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op looking for a good performing rig, however if you want to have a platform to hack and customize to your hearts content, this is the rig for you!

<http://www.tentec.com/rebel-model-506-open-source-qrp-cw-transceiver/>



Ham License Testing

There are four monthly VE test sessions in the **Tucson Area**.

Lighthouse YMCA/ARRL: First Thursday
Contact Matt, *AC7IL*, veregistration@ac7il.org

Oro Valley/ARRL: First Saturday
Contact David, *AK2L*, ak2l@arrl.net

RST/ Laurel (No Fee): Second Monday
Contact Diane, *AA3OF*,
dzimmerman2002@gmail.com

Jacobs Park YMCA/ARRL: Third Saturday
Contact Fred, *K7OFA*, k7ofa@arrl.net

Graham / Greenlee County Area

For VE testing on request, please contact Dave,
N7AM, and he will arrange it.

Technician License Class - Tucson

Every Tuesday, 6:30 - 9:00pm at TMC.
Contact Dan, *KC7VDA* for info. kc7vda@gmail.com

NOVEMBER

sun	mon	tue	wed	thu	fri	sat
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Send Event and Calendar
additions to
newsletter@eaars.com



www.salvage-1.com buys up surplus lots at auction and re-sells it at attractive prices.
The variety is constantly changing, check it out!

Coming Events

Near and Far...

- **ARRL Sweepstakes CW: Nov 2**
<http://www.arrl.org/sweepstakes>
- **Oro Valley ARC Hamfest: Nov 9**
www.tucsonhamfest.com
- **EAARS General Meeting: Nov 12**
Search & Rescue building in Thatcher
- **ARRL Sweepstakes SSB: Nov 16**
<http://www.arrl.org/sweepstakes>
- **CQWW DX CW: Nov 22**
<http://www.cqww.com/rules.htm>



TUCSON HAMFEST



Great Fun!

Great Prizes!

Indoor VE Session!

Interesting Seminars!

Mesh Networking

QRP Operating

NBEMS

**ARRL Booth with Award Card
Checking!**

K7T Special Event Station

Have you ever wanted to operate a
ham radio station?

Come to the hamfest and our
experienced operators will help you
make some contacts.

Come talk to

HamTestOnline™
The software that knows you™

An ARRL Sanctioned Event
Presented by the
Oro Valley Amateur Radio Club

November 9, 2013

**Marana Middle School
11279 West Grier Road
Marana Arizona 85653**

**Gates open at 7:00 AM (5:00am for
sellers) and close at 1:00 PM**

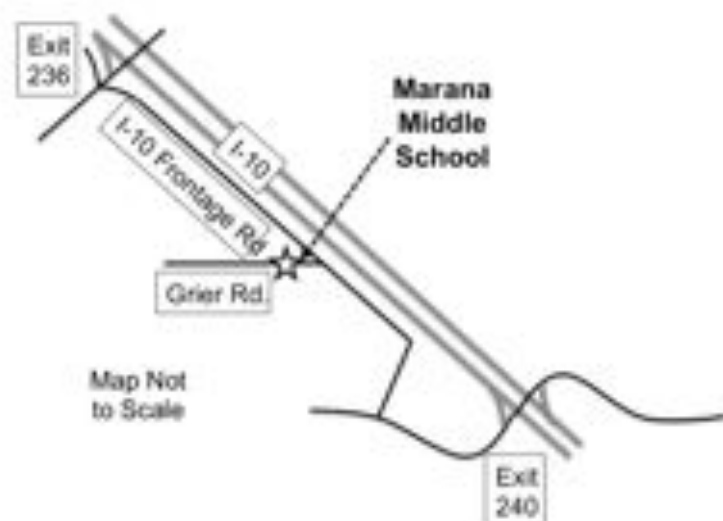
Admission: \$5.00 includes a bottle of water
and entry in the door prize drawing

Students free with any school ID

Commercial Vendors: \$30

Tailgaters: \$10

Shuttle from Marana Airport for Fly-in



WWW.TUCSONHAMFEST.COM

Talk-In Repeaters All PL Tones 156.7
146.620(-) 444.100(+) 145.190(-)

ANSR-77 BALLOON FLIGHT Sat Nov 9th

Arizona Near Space Research (ANSR) is pleased to announce the flight of ANSR-77. This high altitude balloon flight will take place on Saturday, November 9, 2013 at 9:00 A.M. The baseline launch site will be the University of Arizona Maricopa Agricultural Center, near Maricopa, AZ (33 deg 04.42 min, 111 deg 58.97 min). The final launch site choice will depend on the predicted winds aloft. Watch for additional announcements prior to launch day.

The balloon will be a 1600-gram weather balloon, filled with hydrogen. The expected burst altitude will be 90,000 feet or more. The flight is anticipated to last about 2.5 hours from launch to touchdown.

This flight will be a system test for the University of Texas. Their payload will be an electrical engineering model of their "SnapSat" CubeSat design under development. The payload uses the Qualcomm Snapdragon processor and will downlink live video and telemetry on the 2.4 GHz band.

APRS Beacons will transmit position information as follows:

KA7NSR-11 and KA7NSR-12 both on 445.925 MHz, KA7NSR-13 on 144.34 MHz

The ANSR Cross-Band Repeater will operate with an input frequency of 145.56 MHz with a 162.2 Hz tone, and an output of 445.525 MHz. While contacts (especially DX) are welcome, please give priority to chase team members.

Our mobile cross-band Digipeater will repeat locally the beacons' APRS data to the 144.390 MHz standard APRS frequency and subsequently will be I-GATED to the Internet for out-of-area trackers. You can track the flight using website <http://aprs.fi/?call=ka7nsr-11> (or ka7nsr-12,-13)

Be sure to check <http://groups.yahoo.com/group/Ballooning> for updates to this announcement prior to the flight.

Jack Crabtree, W7JLC
ANSR President